Lederle

1915-16

THERAPEUTIC NOTES

with
Price List
of Products

October 1st, 1915

LEDERLE ANTITOXIN LABORATORIES

Schieffelin & Co., Distributors
New York

Chicago Office, 1133 Marshall Field
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THERAPEUTIC NOTES
ON
Vaccine and Serum Therapy

Acne

Acne Vulgaris is probably one of the most trying, as well as one of the most numerous, conditions which the physician is called upon to treat. *Acne* may be divided into two classes: the non-pustular variety, in which comedones are the predominating lesions; and the pustular type. The acne bacillus is the direct cause of all cases of acne. In the pustular variety of this disease, the staphylococcus is the chief complicating infective agent. In the treatment of the non-pustular type, ACNE VACCINE is used. In the pustular variety, ACNE COMBINED VACCINE has proved to be a most useful adjunct in the treatment. The dosage of the ACNE VACCINES is very important, because the symptoms are aggravated when too large a dose is given. For dosage, containers and prices, see page 27. In treating cases of acne, local treatment of the skin should not be neglected; all pustules should be wiped with alcohol and incised, and comedones should be expressed.

Boils, Carbuncles, Sycosis, Eczema, Etc.

In no class of diseases has the use of Bacterial Vaccines been more thoroughly effective than in the various dermatoses. Some of the earliest work in this interesting field of research has been in this specialty. This undoubtedly is due to the fact that infections of the skin are so common; also that the infecting organism is so easily procured and the results of the treatment so readily observed. Since the staphylococcus is normally present on the skin, it would naturally be considered as being either the primary cause or the complicating factor in most skin diseases. Because of this fact, STAPHYLOCOCCUS VACCINES have been extensively employed and are of great value in the treatment of a large variety of cases, especially in *furunculosis, certain forms of eczema, pustular rosacea, etc.* For dosage, containers and prices, see page 52. As a rule, in using STAPHYLOCOCCUS VACCINES, the acute inflammation and pain begins to subside within 24 hours after the first inoculation. If necrotic tissue or pus has formed before the vaccine was used, the abscess should be incised; but where the vaccine is given early, almost invariably the inflammatory process will subside without pus formation. This point is very clearly illustrated in cases where furunculosis exists in various stages of development at the time when the vaccine is given.

Colds, Influenza, Etc.

Bacteriologic examination of diseases of the nose and respiratory tract by Birkett, Meakins,

Patterson, and other investigators has demonstrated that no one specific organism is always present as the causative agent, but rather several organisms. The most common organisms are the Micrococcus catarrhalis, Bacillus influenzae, Bacillus Friedlander, Pneumococcus, Streptococcus and Staphylococcus. Further, bacteriologists have shown that these organisms are almost constantly present during health. Certain external influences —such as undue exposure to sudden changes in temperature—lower the resistance of the mucous membrane to such an extent that the natural forces can no longer hold in check the bacterial growth; and the increased secretions form a suitable medium in which the organisms rapidly grow.

Based on these findings, CATARRHALIS and INFLUENZA COMBINED VACCINES were prepared by the Lederle Antitoxin Laboratories to best meet the indications for acute and chronic diseases of the respiratory tract. The results of the clinical use of these vaccines have been highly satisfactory, and have amply substantiated our judgment in selecting such combinations. One characteristic feature of the vaccine treatment of diseases of the respiratory tract is the marked general improvement that is noticed before the local infection shows much change.

CATARRHALIS and INFLUENZA COMBINED VACCINES have proven most effective in the treatment of *coryza or common "colds"; influenza; and other catarrhal conditions of the nose, throat and respiratory tract.* These vaccines are particularly useful in the spring and fall for immunizing persons who are subject to repeated attacks of influenza, common colds, etc.

In treating or immunizing against coryza or common colds of non-epidemic variety, CATARRHALIS COMBINED VACCINE will best fulfill the indications. If the clinical symptoms or bacteriologic examination point to true influenza or "La Grippe" of the epidemic form, INFLUENZA COMBINED VACCINE is indicated. For dosage, containers and prices, see page 30.

Diphtheria

The rational treatment of *diphtheria* has now been universally accepted by the medical profession to be the antitoxic serum treatment. Absolute protection for 10 days or longer is afforded by the prophylactic use of DIPHTHERIA ANTITOXIN. For the treatment of diphtheria, the intramuscular injection of large initial doses (10,000 units) not only shortens the duration of the disease and reduces the mortality, but also materially lessens the expense. In toxic cases, intravenous administration of the antitoxin is recommended. Write for booklet containing full information regarding dosage, administration, etc. For prices, see page 25.

Erysipelas

The causative factor of *erysipelas* is now generally accepted to be some strain of the streptococcus; the staphylococcus, when present, playing a secondary role. In treating streptococcus infections, it is important to employ only *a polyvalent vaccine* because of the wide diversity of streptococcus strains. Lederle's STREPTOCOCCUS VACCINE is prepared from strains

obtained from many different sources of infection, including scarlet fever, erysipelas, puerperal sepsis, etc. The results obtained from the use of STREPTOCOCCUS VACCINE and STAPHYLOCOCCUS-STREP VACCINE in the treatment of erysipelas have been very gratifying. If the case has progressed to extreme intoxication, with lowered vitality of the patient, ANTISTREPTOCOCCUS SERUM given intravenously or subcutaneously will induce more rapid and favorable results. The streptococcus is also a complicating and causative factor in *abscesses, boils, rheumatism, puerperal fever, infected wounds, septic sore throat, etc.* For dosage, containers and prices, see pages 27 and 59

Gonorrhea and Gonococcus Infections

The increasing appreciation of the serious nature of gonococcus infections has tended to emphasize the necessity for bringing about the earliest possible eradication of the gonococcus. It is well known by all physicians that antiseptic solutions cannot reach the pathogenic organisms which have burrowed deeply into the mucous membrane; and it should be borne in mind that many of the most serious conditions result from the entrance of gonococci into the general circulation. *Gonorrhea* is essentially a surface infection with a tendency to extend to deep-seated structures. The value of a vaccine consists in its specific influence in increasing the phagocytic power of the blood, thus hastening the establishment of immunity; and naturally it will act more promptly where the infection is of such a

nature that the blood comes thoroughly in contact with the organisms.

The estimation of the value of Gonococcus Vaccines depends largely on the viewpoint of the individual user and the kind of cases in which the vaccine is used. If, with a few inoculations of Gonococcus Vaccines, it is expected to effect a cure of acute or chronic gonorrhea, in which other accompanying infective organisms are ignored, disappointment must inevitably follow. GONOCOCCUS VACCINE gives the best results in *gonorrheal arthritis, vulvovaginitis of children, gonorrheal ophthalmia and salpingitis;* the results obtained in acute urethritis are not uniform.

In the treatment of gonorrhea, the question of mixed infection must be kept in mind. In subacute and chronic gonorrhea, the staphylococcus is the principal and most constant accompanying organism. Obstinate cases of acute or chronic gonorrhea which previously have resisted all other treatment will yield to GONOCOCCUS COMBINED VACCINE, which is also indicated in the treatment of *chronic posterior urethritis (gleet), prostatitis, epididymitis and gonorrheal rheumatism.* For dosage, containers and prices, see pages 25 and 34.

In the treatment of *complications*—(1) those which occur as a result of direct extension of the primary infection into organs such as the prostrate, bladder, epididymis, testicle, and Fallopian tubes; and (2) those due to the entrance of gonococci into the circulation, either directly or through the lymphatics including arthritis, meningitis, pleuritis, endocarditis, and iritis—ANTIGONOCOCCUS SERUM is especially effi-

cient. Large doses are recommended, otherwise the results will be unsatisfactory. Write for descriptive booklet.

Hay Fever
(Prophylaxis)

The medical world is indebted to Dunbar for the exhaustive scientific proof of the specific action of pollen as the causative factor of *hay fever*.

The work of Noon, Freeman, Clowes, and especially the recent work of Koessler, has demonstrated the practicability and clinical value of active immunization against hay fever by means of pollen extracts. Clowes was the first to report a definite method of vaccination against *hay fever* in this country, and his work stimulated extensive study of this form of active immunization which has now been placed on a more complete basis by Koessler.

In the preparation of Lederle's POLLEN VACCINE, the pollen from the various common grasses, weeds and other flowering plants which cause *hay fever* in the spring and in the fall, have been combined. The prophylactic treatment consists of 15 doses of POLLEN VACCINE administered subcutaneously—in the abdominal wall, in the interscapular region, or at the insertion of the deltoid muscle—using the same careful asepsis as for any hypodermic injection.

The interval between doses is usually one or two days, a convenient plan being to administer the vaccine three times a week. *It is highly desirable that the treatment be a strictly prophylactic one beginning 8 weeks, if possible, before the expected attack of hay fever.* If this is im-

possible, the prophylactic treatment may be given at any time before the onset of the disease or even after the disease has started; using longer intervals between injections to avoid severe reactions, in case the patient is already suffering from hay fever. Patients with marked constitutional disturbances, including asthma, apparently derive greater benefit from the prophylactic inoculations than patients with slight and local symptoms. Age makes no difference in the benefit derived from the prophylactic treatment. For price of complete prophylactic treatment, see page 48.

Hemophilia

NORMAL HORSE SERUM is used with marked success in the treatment of *hemophilia;* also for other forms of hemorrhage—epistaxis, metrorrhagia, hemorrhage from wounds and fractures—and, in connection with surgical operations, to prevent post-operative hemorrhage.

Hemophilia is a hemorrhagic diathesis or tendency to profuse or uncontrollable hemorrhage, occurring spontaneously or after some slight injury. Clinical evidence shows that the injection of NORMAL HORSE SERUM in hemophilic patients is followed by increased coagulability of the blood; and further, that this serum produces far better results than do gelatine, calcium, ergot, etc. In *hemophilia neonatorum* and hemorrhage from the umbilical cord, the use of NORMAL HORSE SERUM has given very gratifying results. Send for descriptive booklet, containing dosage and methods of administration. For prices, see page 27.

Meningitis
(Prophylaxis and Treatment)

As a curative agent, the value of ANTI-MENINGOCOCCUS SERUM for *epidemic cerebrospinal meningitis* is well known to every physician. But the prevention of this disease by immunization with MENINGOCOCCUS VACCINE has only recently been given serious consideration; although immunization by means of the subcutaneous injection of this vaccine during epidemics of the disease has been very effective. The serious nature of the disease should render prophylactic immunization a procedure to be adopted during every epidemic. For dosage, containers and prices, see page 40. The work of Flexner at the Rockefeller Institute has placed the serum treatment of Cerebrospinal Meningitis on a basis of approved value. *The gravity method of administration of the serum* is advocated by most clinicians; and the Lederle container has been devised for the express purpose of supplying a means for this method of administering the serum. See page 26.

Otitis Media

Acute Otitis Media is not only a very painful disorder, but it often leads to deafness, and, not infrequently, the infection extends into the mastoid cells, resulting in mastoiditis. The importance of bringing this infective process rapidly under control with vaccine treatment can be readily appreciated. The important pathogenic organisms usually found in acute otitis media are the streptococcus, staphylococcus, and, at times, the pneumococcus. In treating this condition,

PNEUMOCOCCUS COMBINED VACCINE is being extensively employed by many otologists. If the vaccine is given early, the ear-drum may often be saved; but if there is much bulging of the drum, it should be lanced. Where the ear-drum is punctured, it will be found that the discharge will dry up in much less time if STAPHYLOCOCCUS-STREP VACCINE or PNEUMOCOCCUS COMBINED VACCINE is used. For dosage, containers and prices, see page 47.

Bacterial examinations of the pus in the early stages of *suppurative otitis media* show that in a large majority of cases the streptococcus is the primary infecting organism. After rupture of the ear-drum, contamination soon takes place and staphylococci are found. In treating these cases, therefore, STAPHYLOCOCCUS-STREP VACCINE will be found to be a valuable means of hastening recovery.

Pneumonia

Lobar Pneumonia is still one of the most fatal diseases. The pneumococcus is recognized as the pathogenic factor in this disease, although the streptococcus is also frequently found and in such cases is no doubt a complicating factor. In this highly fatal disease, the early use of PNEUMOCOCCUS VACCINES is strongly indicated. For dosage, containers and prices, see page 45.

The prophylactic use of the vaccine has been given a decided impetus by the series of experiments carried out on a large number of miners in South Africa by Sir A. E. Wright. It is desirable to immunize persons who suffer from re-

peated attacks of pneumonia and particularly aged persons.

Severe forms of pneumonia, which show a pronounced toxemia, should be treated with ANTI-PNEUMOCOCCUS SERUM, thereby placing antibodies in the blood stream at once. The serum exerts an abortive influence, for the temperature falls permanently and by lysis instead of by crisis. Clinical reports show that the intravenous administration of large doses of the serum is productive of especially happy results. Send for free booklet on dosage and methods. For prices, see page 26.

The advantages to be claimed for routine treatment by serum of cases of Pneumonia are: (1) precipitation of the crisis, (2) diminution of cardiac failure, (3) increased comfort of the patient, (4) lessened liability to sequelae, (5) shortening of the course of the disease.

Bacterial examinations in *broncho-pneumonia* show that most cases are mixed infections of the pneumococcus, streptococcus, and staphylococcus. In these cases, then, PNEUMOCOCCUS COMBINED VACCINE is indicated.

Pyorrhea

In chronic cases of *pyorrhea alveolaris,* in all probability the infected mouth has become a focus of infection to the entire system, in which event vaccine therapy may prove of great value not only in curing the local condition but also in the restoration of the general health. In such cases, PNEUMOCOCCUS COMBINED VACCINE containing the pneumococcus, streptococcus and staphylococcus—bacteria believed to be chiefly ac-

tive in the infection—has been found to be of value.

Rabies
(Prophylaxis)

During the year 1912, there were more than 4,000 cases of *rabies* in this country. RABIES VACCINE is used for the *preventive treatment* of rabies during the incubation period. After symptoms of the disease are fully developed, antirabic treatment is of absolutely no value. A cure for *rabies* is as yet undiscovered; but the Pasteur method of treatment has reduced the mortality of the disease in persons bitten by rabid animals from more than 16 per cent. to less than 1 per cent. For prices, see page 49. Write for pamphlet describing in detail the symptoms, care of patient, etc.

Rheumatism

The specific causative agent of *acute articular rheumatism* has not yet been definitely proven; but extensive research by numerous investigators has demonstrated the presence of streptococci in the joint fluid. Favorable results are being reported from the use of STREPTOCOCCUS COMBINED VACCINE in articular rheumatism. The subsidence of pain is the first symptom of relief, followed by lessened inflammation of the joints. A very important feature of the vaccine treatment of articular rheumatism is that it materially reduces the number of heart complications which so commonly follow this disease. For dosage, containers and prices, see page 60.

Scarlet Fever
(Prophylaxis and Treatment)

For some time it has been recognized that the streptococcus is a complicating infective organism in many cases of *scarlet fever.* From the work of various investigators, it seems evident that the streptococcus is closely connected with scarlet fever infection.

In this disease, it has been shown that, whether or not it is the causative factor, much of the severity of the disease and practically all of the sequelae are due to the streptococcus. A polyvalent bacterial vaccine composed of *streptococci obtained from several cases of scarlet fever* is being extensively employed for the prophylaxis of scarlet fever. The prophylactic use of Streptococcus Vaccine in scarlet fever is receiving much attention, especially by Russian physicians, whose statistics appear to show a remarkable immunity to the disease in those who have received the protective vaccines. The results have been so satisfactory that SCARLET FEVER PROPHYLACTIC is rapidly coming into general use. For dosage, containers and prices, see page 50.

In the treatment of scarlet fever, especially in severe cases, the use of ANTISTREPTOCOCCUS SERUM is giving very good results. Send for free booklet describing approved method of dosage. See page 27.

Smallpox
(Prophylaxis)

The mortality from *smallpox* is 30 to 40 per cent. Statistics show that the disease has been unusually prevalent in the United States during

the past 12 years. Without vaccination, *smallpox* would be pandemic, raging over the entire world. Lederle's VACCINE VIRUS produces a maximum of "takes," and the collapsible wax tube container affords the simplest known means of administering the virus. For prices, see page 64. Send for illustrated pamphlet giving complete details of technique and after-care.

Tetanus

Many traumatisms, such as *blank cartridge wounds, nail punctures, machinery wounds, crushes,* and other injuries in which dirt is carried into a deep wound, are liable to be followed by tetanus. The danger is especially great when dirt is ground into the injured tissues: street dust and garden-soil are particularly apt to contain tetanus organisms. TETANUS ANTITOXIN is an absolute preventive against the development of tetanus when given within 96 hours after the injury.

The treatment of *tetanus* by antitoxic serum has not always been successful; but the work of Ashhurst and John indicates that the failures have been due to improper methods of adminstration. *The intraspinal route, combined with the intravenous, offers the most logical method of treating tetanus with antitoxin.* This has been emphasized by the work of Park and Nicoll. The Lederle intraspinal outfit has been especially designed to afford a simple and convenient means for the administration of TETANUS ANTITOXIN by the intraspinal method. Write for booklet describing technique and approved dosage. For prices, see page 25.

Typhoid Fever
(Prophylaxis and Treatment)

TYPHOID VACCINE (PROPHYLACTIC) is now employed as an immunizing agent in all the important armies of the world. In the United States Army and Navy all officers and enlisted men under 45 years of age are immunized against *typhoid fever.* Realizing the tremendous saving and the benefit derived from prophylactic immunization against typhoid fever, many corporations, where large numbers of men are employed, are now recommending typhoid inoculation to the employees.

In the treatment of *typhoid fever,* no single remedy has proved of such value as TYPHOID VACCINE. Very encouraging results are constantly being reported; the fever becomes milder and of shorter duration; fewer relapses occur; and complications are lessened.

PARATYPHOID FEVER, being very similar to typhoid, is frequently confused with it. Clinically, this disease resembles typhoid fever, but usually follows a mild course. By careful technique, many cases of fevers now classed as "undetermined" may possibly be found to be paratyphoid. TYPHOID COMBINED VACCINE is now used as an immunizing agent against paratyphoid fever, as well as against typhoid fever, inasmuch as this vaccine contains both the typhoid and paratyphoid bacilli. For dosage, containers and prices, see pages 61-63.

Whooping Cough
(Pertussis)

It has been demonstrated that the specific causative agent of *whooping cough* (pertussis) is the

Bordet bacillus, discovered by Bordet and Gengou. Early in the course of the disease, this bacillus is present in large numbers, but later it is associated with the influenza bacillus, the pneumococcus and other microorganisms—the presence of which favor the development of broncho-pneumonia, which so frequently causes a fatal termination of this widespread disease. The reports of clinicians in regard to the use of PERTUSSIS VACCINES have been *invariably favorable* and have proved conclusively the value of vaccine therapy in this disease. Moreover, the reports have always shown the absolute freedom from harmful effects, even in very young babies.

The reports so far received from clinicians who have used PERTUSSIS VACCINES in large numbers of cases of whooping cough show that the vaccines when used as a prophylactic agent, *will prevent the disease.* The immunity is of uncertain duration, but probably lasts for at least 6 months. In the treatment of WHOOPING COUGH, the use of PERTUSSIS COMBINED VACCINE has very materially shortened the course of the disease and lessened the severity of the paroxysms; many severe cases entirely subsiding under this form of treatment within 4 weeks after the institution of vaccine therapy. For dosage, containers and prices, see pages 41 to 45.

PRICE LIST

Antitoxins

Diphtheria Antitoxin
(In Syringes)

Code Word		Per Package
DALE	500 Units	$1.10
DAMP	1,000 Units	2.00
DENT	2,000 Units	3.50
DENY	3,000 Units	5.00
DISK	4,000 Units	6.50
DICE	5,000 Units	7.50
DOME	7,500 Units	10.00
DOCK	10,000 Units	12.00

Tetanus Antitoxin
(In Syringes)

TACK	1,500 Units Human	$2.50
TENT	3,000 Units Human	4.25
TILE	5,000 Units Human	6.00

(In Cylinders)

TRAP	3,000 Units Human in special Lederle container with apparatus for intraspinal administration	4.75
TRUMP	5,000 Units Human in special Lederle container with apparatus for intraspinal administration	6.50

Antibacterial Sera

Antigonococcus Serum

Indications: In the treatment of complications of gonorrhea:

(1) Those which occur as a result of direct extension of the primary infection into organs such as the prostate, bladder, epididymis, testicle, and Fallopian tubes.

(2) Those due to the entrance of gonococci into the circulation, either directly or through the lymphatics; including arthritis, meningitis, pleuritis, endocarditis, and iritis.

Code Word		Per Package
AGATE	10 c.c. in syringes............	$1.50
GLUM	50 c.c. in special Lederle container with apparatus for administering	5.00

Antimeningococcus Serum

Indications: For the treatment of Epidemic Cerebrospinal Meningitis.

MENSER	15 c.c. in special Lederle container with apparatus for administering	$2.50
MERGE	30 c.c. in special Lederle container with apparatus for administering	5.00

Antipneumococcus Serum

Indications: In the treatment of Lobar Pneumonia.

MOCO	10 c.c. in syringes............	$1.50
MOCUS	50 c.c. in special Lederle container with apparatus for administering	5.00

Antistreptococcus Serum

Indications: For the treatment of virulent infections: Septicemia, Puerperal Sepsis, Scarlet Fever, Erysipelas, etc .

Code Word		Per Package
ARCH	10 c.c. in syringes...........	$1.50
STRUT	20 c.c. in special Lederle container with apparatus for administering	3.00
ACRE	50 c.c. in special Lederle container with apparatus for administering	5.00

Normal Serum

Normal Horse Serum

Indications: For the treatment of Hemophilia, and other forms of Hemorrhage; also as a preventive for Post-operative Hemorrhage.

NOME	10 c.c. in syringes............	$ .75
NOTCH	20 c.c. in two 10 c.c. syringes..	1.50
NOBLE	100 c.c. in wide mouth vials...	3.50

Vaccines

Acne Vaccine

Indications: Non-pustular Acne Vulgaris, in which the predominating lesions are comedones.

Initial Dose: 3 to 5 Million.

ALE	No. 1 5 Million B. acne. Per package of two vials....	$. 50

Code Word		Per Package
ACHE	No. 2. 10 Million B. acne. Per package of two vials....	$ .50
AIR	No. 3. 20 Million B. acne. Per package of two vials....	.50
ACE	No. 4. 40 Million B. acne. Per package of two vials....	.50
ACCOUNT	No. 5. 100 Million B. acne. Per package of two vials....	.75
WADE	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
ACADEMY	One 5 c.c. Vial pkge. No. 1..	1.00
ACCENT	One 5 c.c. Vial pkge. No. 2..	1.00
ACCLAIM	One 5 c.c. Vial pkge. No. 3..	1.00
ACCRUE	One 5 c.c. Vial pkge. No. 4..	1.00
ADAM	One 20 c.c. Vial pkge. No. 1..	3.50
AMPLE	One 20 c.c. Vial pkge. No. 2..	3.50
ADLER	One 20 c.c. Vial pkge. No. 3..	3.50
ADDER	One 20 c.c. Vial pkge. No. 4..	3.50
ASH	Single Syringe package No. 1..	.50
AISLE	Single Syringe package No. 2..	.50
ASK	Single Syringe package No. 3..	.50
AXE	Single Syringe package No. 4..	.50
ASIA	Single Syringe package No. 5..	.75
ABODE	Packages containing Syringes 1, 2, 3 and 4...............	2.00

Acne Combined Vaccine (Mixed)

Indications: Pustular Acne.

Initial Dose: 55 Million.

Word Code	(In Two-Vial Packages)	Package Per
ABLE	No. 1. *(55 Million)*........... 5 Million B. acne. 50 Million Staphylococci (albus and aureus).	$ .50
ANTE	No. 2. *(110 Million)*.......... 10 Million B. acne. 100 Million Staphylococci (albus and aureus).	.50
ACORN	No. 3. *(220 Million)*.......... 20 Million B. acne. 200 Million Staphylococci (albus and aureus)	.50
AMBER	No. 4. *(440 Million)*.......... 40 Million B. acne. 400 Million Staphylococci (albus and aureus).	.50
ACCUSE	No. 5. *(1100 Million)*......... 100 Million B. acne. 1,000 Million Staphylococcci (albus and aureus).	.75
WAFT	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
ACCEDE	One 5 c.c. Vial pkge. No. 1..	1.00
ACCEPT	One 5 c.c. Vial pkge. No. 2..	1.00
ACCESS	One 5 c.c. Vial pkge. No. 3..	1.00
ACCOST	One 5 c.c. Vial pkge. No. 4..	1.00
ALTER	One 20 c.c. Vial pkge. No. 1..	3.50
APPLE	One 20 cc. Vial pkge. No. 2..	3.50
AUNT	One 20 c.c. Vial pkge. No. 3..	3.50

Code Word		Per Package
AKRON	One 20 c.c. Vial pkge. No. 4..	$3.50
ASCOT	Single Syringe package No. 1..	.50
ASLER	Single Syringe package No. 2..	.50
ASTOR	Single Syringe package No. 3..	.50
ASURE	Single Syringe package No. 4..	.50
AFTER	Single Syringe package No. 5..	.75
ADVANCE	Packages containing Syringes 1, 2, 3 and 4................	2.00

Catarrhalis Combined Vaccine (Mixed)

Indications: Catarrhalis Combined Vaccine (Mixed) is used for the prophylaxis and treatment of common "Colds"; acute and chronic conditions of the nose, throat, and respiratory tract.

Dosage: *For prophylaxis,* dilutions Nos. 1, 2, 3 and 4 should be given at 3-day intervals. *For treatment,* the No. 1 dilution as an initial dose is followed by No. 2 on the second day; and the dosage may then be increased every 3 or 5 days according to indications, until all symptoms of the disease have disappeared. If marked local or constitutional reaction follows any dose, the subsequent dose should not be increased.

(In Two-Vial Packages)

KAPPER	No. 1. *(150 Million)*.......... 25 Million Mic. Catarrhalis 25 Million B. Friedlander	$ .50

Code Word		Per Package
	25 Million Pneumococci	
	25 Million Streptococci	
	50 Million Staphylococci	
	(albus and aureus)	
KEEPER	No. 2. *(300 Million)*	$ .50
	50 Million Mic. Catarrhalis	
	50 Million B. Friedlander	
	50 Million Pneumococci	
	50 Million Streptococci	
	100 Million Staphylococci	
	(albus and aureus)	
KILLER	No. 3. *(600 Million)*	.50
	100 Million Mic. Catarrhalis	
	100 Million B. Friedlander	
	100 Million Pneumococci	
	100 Million Streptococci	
	200 Million Staphylococci	
	(albus and aureus)	
KOPKE	No. 4. *(1200 Million)*	.50
	200 Million Mic. Catarrhalis	
	200 Million B. Friedlander	
	200 Million Pneumococci	
	200 Million Streptococci	
	400 Million Staphylococci	
	(albus and aureus)	
CATCH	No. 5. *(2400 Million)*	.75
	400 Million Mic. Catarrhalis	
	400 Million B. Friedlander	
	400 Million Pneumococci	
	400 Million Streptococci	
	800 Million Staphylococci	
	(albus and aureus)	

Code Word		Per Package
KANE	Single Vial package No. 1....	$ .35
KEEL	Single Vial package No. 2....	.35
KIND	Single Vial package No. 3....	.35
KITE	Single Vial package No. 4....	.35
WAIL	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
CABE	One 5 c.c. Vial pkge. No. 1..	1.00
CAGE	One 5 c.c. Vial pkge. No. 2..	1.00
CADDY	One 5 c.c. Vial pkge. No. 3..	1.00
CAMP	One 5 c.c. Vial pkge. No. 4..	1.00
KENT	One 20 c.c. Vial pkge. No. 1..	3.50
KNOT	One 20 cc. Vial pkge. No. 2..	3.50
KISS	One 20 c.c. Vial pkge. No. 3..	3.50
KEPT	One 20 c.c. Vial pkge. No. 4..	3.50
KALE	Single Syringe package No. 1..	.50
KEEN	Single Syringe package No. 2..	.50
KILT	Single Syringe package No. 3..	.50
KILN	Single Syringe package No. 4..	.50
CART	Single Syringe package No. 5..	.75
KICKOFF	Packages containing Syringes 1, 2, 3 and 4...............	2.00

Colon Vaccine

Indications: Cystitis, Pyelitis, Cholecystitis, Rectal Abscess, Ischio-rectal Abscess, Fistula-in-ano, Renal Abscess, Prostatitis, Endometritis, Peritonitis, Appendicitis, Subphrenic and Hepatic Abscess, and Enteritis.

Initial Dose: 5 to 50 Million.

CATER	No. 1. 50 Million B. coli. Per package of two vials....	$ .50
CELLAR	No. 2. 100 Million B. coli. Per package of two vials....	.50

Code Word		Per Package
CIDER	No. 3. 200 Million B. coli. Per package of two vials....	$ .50
COBRA	No. 4. 400 Million B. coli. Per package of two vials....	.50
COAST	No. 5. 800 Million B. coli. Per package of two vials....	.75
CARE	Single Vial package No. 1....	.35
CENT	Single Vial package No. 2....	.35
CITE	Single Vial package No. 3....	.35
COAK	Single Vial package No. 4....	.35
WORM	Packages containing Vials Nos. 1, 2, 3 and 4................	1.00
CONFESS	One 5 c.c. Vial pkge. No. 1..	1.00
CONDUCE	One 5 c.c. Vial pkge. No. 2..	1.00
CONFIDE	One 5 c.c. Vial pkge. No. 3..	1.00
CONSERVE	One 5 c.c. Vial pkge. No. 4..	1.00
CANTON	One 20 c.c. Vial pkge. No. 1..	3.50
CEYLON	One 20 cc. Vial pkge. No. 2..	3.50
CITRON	One 20 c.c. Vial pkge. No. 3..	3.50
COPE	One 20 c.c. Vial pkge. No. 4..	3.50
CLAN	Single Syringe package No. 1..	.50
CLERK	Single Syringe package No. 2..	.50
CLIP	Single Syringe package No. 3..	.50
CLOSE	Single Syringe package No. 4..	.50
COACH	Single Syringe package No. 5..	.75
COMBINE	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Combined Bacterial Vaccine
(Van Cott formula)

Indications: Septicemia, Puerperal Sepsis, Erysipelas, Phlegmon, Malignant Endocarditis, Abscesses and other septic conditions.

Initial Dose: 0.5 c.c. (375 Million of the combined organisms).

Each c.c. contains:
(750 Million)
50 Million Streptococci
100 Million Pneumococci
100 Million B. coli communis
500 Million Staphylococci
(albus, aureus and citreus)

Code Word		Per Package
VACO	Per package of two 1 c.c. vials.	$ .50
COMPORT	One 5 c.c. Vial package......	1.00
TANCO	One 20 c.c. Vial package......	3.50
COVAN	Single Syringe package (1 c.c.)	.50

Gonococcus Vaccine

Indications: Gonorrhea, Gonorrheal Arthritis, Vulvovaginitis of Children, Gonorrheal Ophthalmia, Salpingitis, etc.

Initial Dose: 5 to 15 Million in Acute Cases; 25 to 50 Million in Chronic Infections.

GAMBLE	No. 1. 50 Million Gonococci. Per package of two vials....	$.50
GENTLE	No. 2. 100 Million Gonococci. Per package of two vials....	.50
GILDER	No. 3. 200 Million Gonococci. Per package of two vials....	.50
GOLDEN	No. 4. 400 Million Gonococci. Per package of two vials....	.50
GAUNT	No. 5. 1200 Million Gonococci. Per package of two vials....	.75

Code Word		Per Package
GAME	Single Vial package No. 1....	$ .35
GEM	Single Vial package No. 2....	.35
GIRL	Single Vial package No. 3....	.35
GOAT	Single Vial package No. 4....	.35
WEAN	Packages containing Vials Nos. 1, 2, 3 and 4................	1.00
GOSSIP	One 5 c.c. Vial pkge. No. 1..	1.00
GRATIS	One 5 c.c. Vial pkge. No. 2..	1.00
GROWL	One 5 c.c. Vial pkge. No. 3..	1.00
GRUFF	One 5 c.c. Vial pkge. No. 4..	1.00
GAIN	One 20 c.c. Vial pkge. No. 1..	3.50
GATE	One 20 c.c. Vial pkge. No. 2..	3.50
GOLD	One 20 c.c. Vial pkge. No. 3..	3.50
GONE	One 20 c.c. Vial pkge. No. 4..	3.50
GLAD	Single Syringe package No. 1..	.50
GLEAM	Single Syringe package No. 2..	.50
GLIDE	Single Syringe package No. 3..	.50
GLOAM	Single Syringe package No. 4..	.50
GANDER	Single Syringe package No. 5..	.75
GENERAL	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Gonococcus Combined Vaccine (Mixed)

Indications: Chronic Posterior Urethritis, Prostatitis, Epididymitis, Gonorrheal Rheumatism, Subacute and Chronic Gonorrhea.

Initial Dose: 200 to 500 Million.

(In Two-Vial Packages)

GRATER No. 1. *(500 Million)*.......... $ .50
75 Million Gonococci
50 Million B. coli communis

Code Word		Per Package
	75 Million Streptococci	
	300 Million Staphylococci; mixed albus, aureus and citreus.	
GREEDY	No. 2. *(1000 Million)*.........	$ .50
	150 Million Gonococci	
	100 Million B. coli communis	
	150 Million Streptococci	
	600 Million Staphylococci; mixed albus, aureus and citreus.	
GRIDDLE	No. 3. *(2000 Million)*.........	.50
	300 Million Gonococci	
	200 Million B. coli communis	
	300 Million Streptococci	
	1200 Million Staphylococci; mixed albus, aureus and citreus.	
GROWER	No. 4. *(4000 Million)*.........	.50
	600 Million Gonococci	
	400 Million B. coli communis	
	600 Million Streptococci	
	2400 Million Staphylococci; mixed albus, aureus and citreus.	
GAZE	No. 5. *(8000 Million)*.........	.75
	1200 Million Gonococci	
	800 Million B. coli communis	
	1200 Million Streptococci	
	4800 Million Staphylococci; mixed albus, aureus and citreus.	

Code Word		Per Package
GRATE	Single Vial package No. 1....	$ .35
GREET	Single Vial package No. 2....	.35
GRIME	Single Vial package No. 3....	.35
GROAN	Single Vial package No. 4....	.35
WEEP	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
GRASP	One 5 c.c. Vial pkge. No. 1..	1.00
GUN	One 5 c.c. Vial pkge. No. 2..	1.00
GUST	One 5 c.c. Vial pkge. No. 3..	1.00
GULPH	One 5 c.c. Vial pkge. No. 4..	1.00
GRAPE	One 20 c.c. Vial pkge. No. 1..	3.50
GREECE	One 20 cc. Vial pkge. No. 2..	3.50
GRIP	One 20 c.c. Vial pkge. No. 3..	3.50
GROPE	One 20 c.c. Vial pkge. No. 4..	3.50
GLITTER	Single Syringe package No. 1..	.50
GLOOMY	Single Syringe package No. 2..	.50
GLUTTON	Single Syringe package No. 3..	.50
GLISTEN	Single Syringe package No. 4..	.50
GUTTER	Single Syringe package No. 5..	.75
GALL	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Influenza Combined Vaccine (Mixed)

Indications: Influenza Combined Vaccine (Mixed) is used for the prophylaxis and treatment of Influenza, common "Colds," acute and chronic conditions of the nose, throat and respiratory tract.

Dosage: *For prophylaxis,* dilutions Nos. 1, 2, 3 and 4 should be given at 3-day intervals. *For treatment,* the No. 1 dilution as an initial dose is

followed by No. 2 on the second day; and the dosage may then be increased every 3 or 5 days, according to indications, until all symptoms of the disease have disappeared. If marked local or constitutional reaction follows any dose, the subsequent dose should not be increased.

Code Word		Per Package
	(In Two-Vial Packages)	
FLAVOR	No. 1. *(175 Million)*..........	$ .50
	25 Million B. Influenzae	
	25 Million Mic. Catarrhalis	
	25 Million B. Friedlander	
	25 Million Pneumococci	
	25 Million Streptococci	
	50 Million Staphylococci (albus and aureus)	
FLITTER	No. 2. *(350 Million)*..........	.50
	50 Million B. Influenzae	
	50 Million Mic. Catarrhalis	
	50 Million B. Friedlander	
	50 Million Pneumococci	
	50 Million Streptococci	
	100 Million Staphylococci (albus and aureus)	
FLOWER	No. 3. *(700 Million)*..........	.50
	100 Million B. Influenzae	
	100 Million Mic. Catarrhalis	
	100 Million B. Friedlander	
	100 Million Pneumococci	
	100 Million Streptococci	
	200 Million Staphylococci (albus and aureus)	

Code Word		Per Package
FLOATER	No. 4. *(1400 Million)*.........	$ .50
	200 Million B. Influenzae	
	200 Million Mic. Catarrhalis	
	200 Million B. Friedlander	
	200 Million Pneumococci	
	200 Million Streptococci	
	400 Million Staphylococci (albus and aureus)	
ICE	No. 5. *(2800 Million)*.........	.75
	400 Million B. Influenzae	
	400 Million Mic. Catarrhalis	
	400 Million B. Friedlander	
	400 Million Pneumococci	
	400 Million Streptococci	
	800 Million Staphylococci (albus and aureus)	
FLAT	Single Vial package No. 1....	.35
FLEET	Single Vial package No. 2....	.35
FLIT	Single Vial package No. 3....	.35
FLUTE	Single Vial package No. 4....	.35
WELT	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
IDEA	One 5 c.c. Vial pkge. No. 1..	1.00
ILL	One 5 c.c. Vial pkge. No. 2..	1.00
IMBUE	One 5 c.c. Vial pkge. No. 3..	1.00
IGNORE	One 5 c.c. Vial pkge. No. 4..	1.00
FACE	One 20 c.c. Vial pkge. No. 1..	3.50
FATE	One 20 c.c. Vial pkge. No. 2..	3.50
FEST	One 20 c.c. Vial pkge. No. 3..	3.50
FOLD	One 20 c.c. Vial pkge. No. 4..	3.50
FLAKE	Single Syringe package No. 1..	.50
FIELD	Single Syringe package No. 2..	.50
FRIEND	Single Syringe package No. 3..	.50

Code Word		Per Package
FRUIT	Single Syringe package No. 4..	$ .50
ITCH	Single Syringe package No. 5..	.75
FOEMAN	Packages containing Syringes Nos. 1, 2, 3 and 4...........	2.00

Meningococcus Vaccine
(Prophylactic)

Indications: For *immunization* against Epidemic Cerebrospinal Meningitis.

Dosage: First dose contains 500 Million killed bacteria and is followed in 10 days by the second dose of 1,000 Million killed bacteria, and this in ten days is followed by the third dose of 1,000 Million killed bacteria.

MINGO	Style A package contains the complete prophylactic treatment in syringe containers, ready for use..............	$1.50
MOTTO	Style B package contains the complete prophylactic treatment in vial containers......	.75
MENGO	Style C, Hospital package. Complete prophylactic treatment for ten persons. Contains ten 1 c.c. vials, each containing 500,000,000 killed Meningococci and twenty 1 c.c. vials, each containing 1,000,000,000 killed Meningococci	3.50

Pertussis Vaccine
(Prophylactic)

Indications: For *immunization* against Whooping-cough (Pertussis).

Dosage: First dose contains 25 Million killed bacteria and is followed in seven days by the second dose of 50 Million killed bacteria, and this in seven days by the third dose of 100 Million killed bacteria.

Code Word		Per Package
PERFECT	Style A package contains the complete prophylactic treatment in syringe containers, ready for use..............	$1.50
PERSON	Style B package contains the complete prophylactic treatment in vial containers......	.75
PERMIT	Style C, Hospital package. Complete prophylactic treatment for ten persons. Contains ten 1 c.c. vials, each containing 25,000,000 killed B. Pertussis (Bordet) ; ten 1 c.c. vials, each containing 50,000,000 killed B. Pertussis (Bordet) ; and ten 1 c.c. vials, each containing 100,000,000 killed B. Pertussis (Bordet)..	3.50

Pertussis Vaccine

Indications: Preferably as a prophylactic for Whooping-cough (Per-

tussis). It may, however, be used in the treatment of the disease.

Dosage: Pertussis Vaccine may be used in daily doses of 25 to 100 Million for the treatment of Whooping-cough (Pertussis).

Code Word		Per Package
PELL	No. 1. 25 Million B. Pertussis (Bordet). Per package of two vials....................	$ .50
PILL	No. 2. 50 Million B. Pertussis (Bordet). Per package of two vials	.50
POOL	No. 3. 100 Million B. Pertussis (Bordet). Per package of two vials	.50
POOR	No. 4. 200 Million B. Pertussis (Bordet). Per package of two vials	.50
PEARL	No. 5. 400 Million B. Pertussis (Bordet). Per package of two vials	.75
PERT	Single Vial package No. 1....	.35
PET	Single Vial package No. 2....	.35
PITCH	Single Vial package No. 3....	.35
PUT	Single Vial package No. 4....	.35
WALTZ	Packages containing Vials Nos. 1, 2, 3 and 4................	1.00
PALLID	One 5 c.c. Vial pkge. No. 1..	1.00
PADDLE	One 5 c.c. Vial pkge. No. 2..	1.00
PALE	One 5 c.c. Vial pkge. No. 3..	1.00
PALM	One 5 c.c. Vial pkge. No. 4..	1.00

Code Word		Per Package
PANT	One 20 c.c. Vial pkge. No. 1..	$3.50
PENT	One 20 cc. Vial pkge. No. 2..	3.50
PINT	One 20 c.c. Vial pkge. No. 3..	3.50
PULP	One 20 c.c. Vial pkge. No. 4..	3.50
PRUNE	Single Syringe package No. 1..	.50
PROOF	Single Syringe package No. 2..	.50
PRINCE	Single Syringe package No. 3..	.50
PRICE	Single Syringe package No. 4..	.50
PEBBLE	Single Syringe package No. 5..	.75
PRESTO	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Pertussis Combined Vaccine (Mixed)

Indications: For the *treatment* of Whooping-cough (Pertussis). This vaccine may also be used as a prophylactic, especially for persons who have been exposed to the disease.

Dosage: In the *treatment* of Whooping-cough the initial dose is usually 150 Million; subsequent doses being given every second day or even daily according to the severity of the disease. If the child is under two years of age, an initial dose of 75 Million may be advisable.

For immunization, an initial dose of 150 Million is followed in seven days by an injection of 300 Million, and one week later by a dose of 600 Million.

Code Word		Per Package
	(In Two-Vial Packages)	
PALL	No. 1. *(150 Million)*..........	$ .50
	25 Million B. Pertussis (Bordet)	
	25 Million B. Influenzae	
	25 Million Pneumococci	
	25 Million Streptococci	
	50 Million Staphylococci (albus and aureus mixed)	
PEEL	No. 2. *(300 Million)*..........	.50
	50 Million B. Pertussis (Bordet)	
	50 Million B. Influenzae	
	50 Million Pneumococci	
	50 Million Streptococci	
	100 Million Staphylococci (albus and aureus mixed)	
PITT	No. 3. *(600 Million)*..........	.50
	100 Million B. Pertussis (Bordet)	
	100 Million B. Influenzae	
	100 Million Pneumococci	
	100 Million Streptococci	
	200 Million Staphylococci (albus and aureus mixed)	
PULL	No. 4. *(1200 Million)*.........	.50
	200 Million B. Pertussis (Bordet)	
	200 Million B. Influenzae	
	200 Million Pneumococci	
	200 Million Streptococci	
	400 Million Staphylococci (albus and aureus mixed)	

Code Word		Per Package
PEDAL	No. 5. *(2400 Million)*.........	$ .75
	400 Million B. Pertussis (Bordet)	
	400 Million B. Influenzae	
	400 Million Pneumococci	
	400 Million Streptococci	
	800 Million Staphylococci (albus and aureus mixed)	
WOOD	Packages containing Vials Nos. 1, 2, 3 and 4.................	1.00
PARAGON	One 5 c.c. Vial pkge. No. 1...	1.00
PARTY	One 5 c.c. Vial pkge. No. 2...	1.00
PAWN	One 5 c.c. Vial pkge. No. 3...	1.00
PATTY	One 5 c.c. Vial pkge. No. 4...	1.00
PLANK	One 20 c.c. Vial pkge. No. 1...	3.50
PLAID	One 20 c.c. Vial pkge. No. 2...	3.50
PLANT	One 20 c.c. Vial pkge. No. 3...	3.50
PLUMP	One 20 c.c. Vial pkge. No. 4...	3.50
PAST	Single Syringe package No. 1.	.50
PEST	Single Syringe package No. 2.	.50
POST	Single Syringe package No. 3.	.50
PLUSH	Single Syringe package No. 4.	.50
PENDANT	Single Syringe package No. 5.	.75
PURSE	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Pneumococcus Vaccine

Indications: In the treatment of Pneumonia...

Initial dose: 50 to 100 Million.

NATURE	No. 1. 50 Million Pneumococci. Per package of two vials	$ .50

Code Word		Per Package
NEEDY	No. 2. 100 Million Pneumococci. Per package of two vials	$ .50
NIBBLE	No. 3. 200 Million Pneumococci. Per package of two vials	.50
NOBBY	No. 4. 400 Million Pneumococci. Per package of two vials	.50
NOISE	No. 5. 800 Million Pneumococci. Per package of two vials	.75
NAME	Single Vial package No. 1	.35
NEAR	Single Vial package No. 2	.35
NILE	Single Vial package No. 3	.35
NORTH	Single Vial package No. 4	.35
WAIST	Packages containing Vials Nos. 1, 2, 3 and 4	1.00
NAB	One 5 c.c. Vial pkge. No. 1	1.00
NUPTIAL	One 5 c.c. Vial pkge. No. 2	1.00
NEVER	One 5 c.c. Vial pkge. No. 3	1.00
NYMPH	One 5 c.c. Vial pkge. No. 4	1.00
NAVY	One 20 c.c. Vial pkge. No. 1	3.50
NEST	One 20 cc. Vial pkge. No. 2	3.50
NIP	One 20 c.c. Vial pkge. No. 3	3.50
NOSE	One 20 c.c. Vial pkge. No. 4	3.50
NATTY	Single Syringe package No. 1	.50
NETTLE	Single Syringe package No. 2	.50
NIXON	Single Syringe package No. 3	.50
NOTICE	Single Syringe package No. 4	.50
NOMAD	Single Syringe package No. 5	.75
NOMINAL	Packages containing Syringes Nos. 1, 2, 3 and 4	2.00

Pneumococcus Combined Vaccine
(Mixed)

Indications: Broncho-pneumonia, Empyema, Bronchitis, Otitis Media.

Initial dose: 125 Million.

(In Two-Vial Packages)

Code Word		Per Package
NACK	No. 1. *(125 Million)*.......... 50 Million Pneumococci 25 Million Streptococci 50 Million Staphylococci (mixed albus, aureus and citreus).	$ .50
NICK	No. 2. *(250 Million)*.......... 100 Million Pneumococci 50 Million Streptococci 100 Million Staphylococci (mixed albus, aureus and citreus).	.50
NOON	No. 3. *(500 Million)*.......... 200 Million Pneumococci 100 Million Streptococci 200 Million Staphylococci (mixed albus, aureus and citreus).	.50
NEUTRE	No. 4. *(1000 Million)*......... 400 Million Pneumococci 200 Million Streptococci 400 Million Staphylococci (mixed albus, aureus and citreus).	.50

Code Word		Per Package
NURSE	No. 5. *(2000 Million)*.........	$ .75
	800 Million Pneumococci	
	400 Million Streptococci	
	800 Million Staphylococci (mixed albus, aureus and citreus).	
NAIL	Single Vial package No. 1....	.35
NEAT	Single Vial package No. 2....	.35
NICE	Single Vial package No. 3....	.35
NOTE	Single Vial package No. 4....	.35
WART	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
NEW	One 5 c.c. Vial pkge. No. 1..	1.00
NITRITE	One 5 c.c. Vial pkge. No. 2..	1.00
NODDLE	One 5 c.c. Vial pkge. No. 3..	1.00
NUBBIN	One 5 c.c. Vial pkge. No. 4..	1.00
NUN	One 20 c.c. Vial pkge. No. 1..	3.50
NUDE	One 20 c.c. Vial pkge. No. 2..	3.50
NECK	One 20 c.c. Vial pkge. No. 3..	3.50
NANCE	One 20 c.c. Vial pkge. No. 4..	3.50
NASAL	Single Syringe package No. 1..	.50
NEEDLE	Single Syringe package No. 2..	.50
NICKEL	Single Syringe package No. 3..	.50
NOODLE	Single Syringe package No. 4..	.50
NESTLE	Single Syringe package No. 5..	.75
NUMERICAL	Package containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Pollen Vaccine
(Prophylactic)

Indications: For *immunization* against Hay fever.

Dosage: The prophylactic treatment consists of fifteen doses—each

of which must be diluted, immediately before administration, with the diluent which is furnished in a separate vial. The interval between doses is usually one or two days, a convenient plan being to administer the vaccine three times a week. The prophylactic treatment, therefore, consumes from four to six weeks.

Code Word		Per Package
HAY	One complete immunizing treatment. Consists of 15 vials, containing progressive amounts of Pollen Vaccine; and 15 vials of Sterile Diluent with which to make the proper dilution of the vaccine	$15.00

Rabies Vaccine
(Pasteur Method)

Indications: For the preventive treatment of Rabies.

***RIND**	VIAL PACKAGE: Complete course of antirabic treatment in Lederle Vials	$25.00
***RAVE**	SYRINGE PACKAGE: Complete course of antirabic treatment in Lederle Syringes	50.00

*State patient's age, location of bite and its severity.

NOTE: These prices on RABIES VACCINE are *strictly net,* and not subject to discount.

Scarlet Fever Prophylactic

(Streptococcus Vaccine)
(Strains from Scarlet Fever Cases)

Indications: *For immunization* against Scarlet Fever.

Dosage: First dose contains 250 Million killed bacteria and is followed in seven days by the second dose of 500 Million killed bacteria, and this in seven days by the third dose of 1000 Million killed bacteria.

Code Word		Per Package
SAND	Style A package contains the complete prophylactic treatment in syringe containers, ready for use..............	$1.50
SOFT	Style B package contains the complete prophylactic treatment in vial containers......	.75
SCOFF	Style C, Hospital package. Complete prophylactic treatment for ten persons. Contains ten 1 c.c. vials, each containing 250,000,000 killed Streptococci; ten 1 c.c. vials, each containing 500,000,000 killed Streptococci; and ten 1 c.c. vials, each containing 1,000,000,000 killed Streptococci......................	3.50

Scarlet Fever Treatment
(Streptococcus Vaccine)
(Strains from Scarlet Fever Cases)

Indications: In the treatment of Scarlet Fever.

Initial Dose: 25 to 50 Million.

Code Word		Per Package
SCANT	No. 1. 50 Million Streptococci. Per package of two vials....	$ .50
SCALE	No. 2. 100 Million Streptococci. Per package of two vials....	.50
SCANDAL	No. 3. 200 Million Streptococci. Per package of two vials. ..	.50
SCARE	No. 4. 400 Million Streptococci. Per package of two vials....	.50
SCATTER	No. 5. 800 Million Streptococci. Per package of two vials....	.75
WILD	Packages containing Vials Nos 1, 2, 3 and 4...............	1.00
SACK	One 5 c.c. Vial pkge. No. 1..	1.00
SAD	One 5 c.c. Vial pkge. No. 2..	1.00
SAG	One 5 c.c. Vial pkge. No. 3..	1.00
SALT	One 5 c.c. Vial pkge. No. 4..	1.00
SCOUR	One 20 c.c. Vial pkge. No. 1..	3.50
SCORN	One 20 c.c. Vial pkge. No. 2..	3.50
SCOLD	One 20 c.c. Vial pkge. No. 3..	3.50
SCOUT	One 20 c.c. Vial pkge. No. 4..	3.50
SCENE	Single Syringe package No. 1..	.50
SCENT	Single Syringe package No 2..	.50
SKEPTIC	Single Syringe package No. 3..	.50
SCOW	Single Syringe package No. 4..	.50
SCOTCH	Single Syringe package No. 5..	.75
SCREW	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Staphylococcus Albus Vaccine

Indications: Boils, Carbuncles, Sycosis, Eczema, Impetigo, Fistulous Sinuses, Psoas Abscess, Suppurating Glands, Osteomyelitis.

Initial Dose: 50 to 100 Million.

Code Word		Per Package
SAILOR	No. 1. 250 Million Staphylococci (albus). Per package of two vials...............	$ .50
SEEDY	No. 2. 500 Million Staphylococci (albus). Per package of two vials................	.50
SILKY	No. 3. 1000 Million Staphylococci (albus). Per package of two vials................	.50
SULLY	No. 4. 2000 Million Staphylococci (albus). Per package of two vials................	.50
STUDY	No. 5. 4000 Million Staphylococci (albus). Per package of two vials................	.75
SAVE	Single Vial package No. 1....	.35
SEEN	Single Vial package No. 2....	.35
SIZE	Single Vial package No. 3....	.35
SOOT	Single Vial package No. 4....	.35
WIG	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
SALUTE	One 5 c.c. Vial pkge. No. 1..	1.00
SANITY	One 5 c.c. Vial pkge. No. 2..	1.00
SATCHEL	One 5 c.c. Vial pkge. No. 3..	1.00
SATURATE	One 5 c.c. Vial pkge. No. 4..	1.00
SOMBRE	One 20 c.c. Vial pkge. No. 1..	3.50

Code Word		Per Package
SLUMBER	One 20 c.c. Vial pkge. No. 2..	$3.50
SLATE	One 20 c.c. Vial pkge. No. 3..	3.50
STATE	One 20 c.c. Vial pkge. No. 4..	3.50
SHAPE	Single Syringe package No. 1.	.50
SHEEP	Single Syringe package No 2..	.50
SHINE	Single Syringe package No. 3..	.50
SHOOT	Single Syringe package No. 4..	.50
STUN	Single Syringe package No. 5..	.75
SHAKER	Package containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Staphylococcus Aureus Vaccine

Indications: Same as for Staphylococcus Albus.

Initial Dose: 50 to 100 Million.

SATIRE	No. 1. 250 Million Staphylococci (aureus). Per package of two vials...............	$ .50
SEALING	No. 2. 500 Million Staphylococci (aureus). Per package of two vials...............	.50
SICKLE	No. 3. 1000 Million Staphylococci (aureus). Per package of two vials...............	.50
SOAKER	No. 4. 2000 Million Staphylococci (aureus). Per package of two vials...............	.50
STRING	No. 5. 4000 Million Staphylococci (aureus). Per package of two vials..............	.75

Code Word		Per Package
SAKE	Single Vial package No. 1....	$ .35
SEEK	Single Vial package No. 2....	.35
SICK	Single Vial package No. 3....	.35
SOAK	Single Vial package No. 4....	.35
WILT	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
SAVAGE	One 5 c.c. Vial pkge. No. 1..	1.00
SEAL	One 5 c.c. Vial pkge. No. 2..	1.00
SEARCH	One 5 c.c. Vial pkge. No. 3..	1.00
SECEDE	One 5 c.c. Vial pkge. No. 4..	1.00
SCULL	One 20 c.c. Vial pkge. No. 1..	3.50
SCALP	One 20 c.c. Vial pkge. No. 2..	3.50
SCHRIMP	One 20 c.c. Vial pkge. No. 3..	3.50
SCAMP	One 20 c.c. Vial pkge. No. 4..	3.50
SKAT	Single Syringe package No. 1..	.50
SKEET	Single Syringe package No 2..	.50
SKIT	Single Syringe package No. 3..	.50
SCORE	Single Syringe package No. 4..	.50
STRICT	Single Syringe package No. 5..	.75
SCHOOL	Package containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Staphylococcus Vaccine
(Albus, Aureus and Citreus)

Indications: Same as for Staphylococcus Albus.

Initial Dose: 50 to 100 Million.

(In Two-Vial Packages)

STABLE	No. 1 .... 250 Million Staphylococci (albus, aureus and citreus)	$ .50

Code Word		Per Package
STEEPLE	No. 2 .... 500 Million Staphylococci (albus, aureus and citreus)	$ .50
STIFLE	No. 3 .... 1000 Million Staphylococci (albus, aureus and citreus)	.50
STOLEN	No. 4 .... 2000 Million Staphylococci (albus, aureus and citreus)	.50
SCARF	No. 5 .... 4000 Million Staphylococci (albus, aureus and citreus)	.75
STACK	Single Vial package No. 1....	.35
STEAM	Single Vial package No. 2....	.35
STILE	Single Vial package No. 3....	.35
STONE	Single Vial package No. 4....	.35
WORK	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
SECTION	One 5 c.c. Vial pkge. No. 1..	1.00
SEDAN	One 5 c.c. Vial pkge. No. 2..	1.00
SELF	One 5 c.c. Vial pkge. No. 3..	1.00
SEDATE	One 5 c.c. Vial pkge. No. 4..	1.00
SORCERY	One 20 c.c. Vial pkge. No. 1..	3.50
SORDID	One 20 c.c. Vial pkge. No. 2..	3.50
SORRELL	One 20 c.c. Vial pkge. No. 3..	3.50
SORT	One 20 c.c. Vial pkge. No. 4..	3.50
SLAVE	Single Syringe package No. 1..	.50
SLEEVE	Single Syringe package No 2..	.50
SLICK	Single Syringe package No. 3..	.50
SLOPE	Single Syringe package No. 4..	.50
SCARCE	Single Syringe package No. 5..	.75
SOLDIER	Package containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Staphylococcus Combined Vaccine
(Mixed)

Indications: Puerperal Sepsis, Acute Tonsillitis, Mastoiditis, and various multiple infections.

Initial Dose: 175 Million.

Code Word	(In Two-Vial Packages)	Per Package
SLAP	No. 1. *(175 Million)*.......... 100 Million Staphylococci (mixed albus, aureus and citreus) 25 Million Streptococci 50 Million B. coli communis	$ .50
SLIME	No. 2. *(350 Million)*.......... 200 Million Staphylococci (mixed albus, aureus and citreus) 50 Million Streptococci 100 Million B. coli communis	.50
SLEEP	No. 3. *(700 Million)*.......... 400 Million Staphylococci (mixed albus, aureus and citreus) 100 Million Streptococci 200 Million B. coli communis	.50
SLOOP	No. 4. *(1400 Million)*......... 800 Million Staphylococci (mixed albus, aureus and citreus) 200 Million Streptococci 400 Million B. coli communis	.50

Code Word		Per Package
STADIUM	No. 5. *(2800 Million)*	$ .75
	1600 Million Staphylococci (mixed albus, aureus and citreus)	
	400 Million Streptococci	
	800 Million B. coli communis	
SLACK	Single Vial package No. 1....	.35
SLIP	Single Vial package No. 2....	.35
SLEEK	Single Vial package No. 3....	.35
SLOT	Single Vial package No. 4....	.35
WRECK	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
SKIMP	One 5 c.c. Vial pkge. No. 1..	1.00
SKY	One 5 c.c. Vial pkge. No. 2..	1.00
SMUDGE	One 5 c.c. Vial pkge. No. 3..	1.00
SMELT	One 5 c.c. Vial pkge. No. 4..	1.00
SWIPE	One 20 c.c. Vial pkge. No. 1..	3.50
SWEEP	One 20 c.c. Vial pkge. No. 2..	3.50
SWIM	One 20 c.c. Vial pkge. No. 3..	3.50
SWELL	One 20 c.c. Vial pkge. No. 4..	3.50
SCAPE	Single Syringe package No. 1..	.50
SCHEME	Single Syringe package No 2..	.50
SCIP	Single Syringe package No. 3..	.50
SCOOP	Single Syringe package No. 4..	.50
SWAMP	Single Syringe package No. 5..	.75
SCUTTLE	Package containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Staphylococcus-Strep Vaccine

Indications: Abscesses, Erysipelas, Suppurative Periostitis, Osteomyelitis, Pleurisy, Peritonitis and various pyemic conditions.

Initial Dose: 75 to 125 Million, increased according to clinical manifestations.

Code Word	(In Two-Vial Packages)	Per Package
SHAKE	No. 1. *(125 Million)*.......... 100 Million Staphylococci (albus and aureus) 25 Million Streptococci	$ .50
SHOOK	No. 2. *(250 Million)*.......... 200 Million Staphylococci (albus and aureus) 50 Million Streptococci	.50
SHOT	No. 3. *(500 Million)*.......... 400 Million Staphylococci (albus and aureus) 100 Million Streptococci	.50
SHELL	No. 4. *(1000 Million)*......... 800 Million Staphylococci (albus and aureus) 200 Million Streptococci	.50
SPRAY	No. 5. *(2000 Million)*......... 1600 Million Staphylococci 400 Million Streptococci	.75
WEDGE	Packages containing Vials Nos. Nos. 1, 2, 3 and 4...........	2.00
SMACK	One 5 c.c. Vial pkge. No. 1..	1.00
SMALL	One 5 c.c. Vial pkge. No. 2..	1.00
SMOOTH	One 5 c.c. Vial pkge. No. 3..	1.00
SNOB	One 5 c.c. Vial pkge. No. 4..	1.00
SHOAL	One 20 c.c. Vial pkge. No. 1..	3.50
SHUT	One 20 c.c. Vial pkge. No. 2..	3.50
SHREWD	One 20 c.c. Vial pkge. No. 3..	3.50

Code Word		Per Package
SHUN	One 20 c.c. Vial pkge. No. 4..	$3.50
SHAME	Single Syringe package No. 1..	.50
SHARP	Single Syringe package No 2..	.50
SHAVE	Single Syringe package No. 3..	.50
SHARE	Single Syringe package No. 4..	.50
SPREAD	Single Syringe package No. 5..	.75
STUFF	Package containing Syringes Nos. 1, 2, 3 and 4...........	2.00

Streptococcus Vaccine

Indications: Erysipelas, Puerperal Sepsis, Lymphangitis, Cellutitis, Septic Endocarditis.

Initial Dose: 25 to 50 Million.

SALLY	No. 1. 50 Million Streptococci. Per package of two vials	$ .50
SEAT	No. 2. 100 Million Streptococci. Per package of two vials	.50
SILLY	No. 3. 200 Million Streptococci. Per package of two vials	.50
SUBTLE	No. 4. 400 Million Streptococci. Per package of two vials	.50
SPREE	No. 5. 800 Million Streptococci. Per package of two vials	.75
SAT	Single Vial package No. 1....	.35
SET	Single Vial package No. 2....	.35
SIT	Single Vial package No. 3....	.35
SOT	Single Vial package No. 4....	.35
WIELD	Packages containing Vials Nos. 1, 2, 3 and 4...............	1.00
SNORE	One 5 c.c. Vial pkge. No. 1..	1.00
SNUGGLE	One 5 c.c. Vial pkge. No. 2..	1.00
SODDEN	One 5 c.c. Vial pkge. No. 3..	1.00

Code Word		Per Package
SOLO	One 5 c.c. Vial pkge. No. 4..	$1.00
SNOW	One 20 c.c. Vial pkge. No. 1..	3.50
SNEEZE	One 20 c.c. Vial pkge. No. 2..	3.50
SNAKE	One 20 c.c. Vial pkge. No. 3..	3.50
SNIPE	One 20 c.c. Vial pkge. No. 4..	3.50
SLAM	Single Syringe package No. 1..	.50
SLIT	Single Syringe package No 2..	.50
SLEET	Single Syringe package No. 3..	.50
SLOAM	Single Syringe package No. 4..	.50
SPRY	Single Syringe package No. 5..	.75
SLOAT	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Streptococcus Combined Vaccine

(Mixed)

Indications: Focal infections caused by streptococci and pneumococci associated with *rheumatic symptoms.*

Initial Dose: 50 to 150 Million.

(In Two-Vial Packages)

SIGHT	No. 1. *(150 Million)*.......... 100 Million Streptococci 50 Million Pneumococci	$ .50
SIGN	No. 2. *(300 Million)*.......... 200 Million Streptococci 100 Million Pneumococci	.50
SIP	No. 3. *(600 Million)*.......... 400 Million Streptococci 200 Million Pneumococci	.50

Code Word		Per Package
SIDE	No. 4. *(1200 Million)*.........	$ .50
	800 Million Streptococci	
	400 Million Pneumococci	
SPROUT	No. 5. *(2400 Million)*.........	.75
	1600 Million Streptococci	
	800 Million Pneumococci	
WEIRD	Packages containing Vials Nos. 1, 2, 3 and 4................	1.00
SONG	One 5 c.c. Vial pkge. No. 1..	1.00
SORE	One 5 c.c. Vial pkge. No. 2..	1.00
SOUTH	One 5 c.c. Vial pkge. No. 3..	1.00
SOUP	One 5 c.c. Vial pkge. No. 4..	1.00
SMILE	One 20 c.c. Vial pkge. No. 1..	3.50
SMITTEN	One 20 c.c. Vial pkge. No. 2..	3.50
SMOTE	One 20 c.c. Vial pkge. No. 3..	3.50
SMEAR	One 20 c.c. Vial pkge. No. 4..	3.50
SIMPLE	Single Syringe package No. 1..	.50
SAMPLE	Single Syringe package No. 2..	.50
SOLID	Single Syringe package No. 3..	.50
SUPPLE	Single Syringe package No. 4..	.50
SPRUCE	Single Syringe package No. 5..	.75
STUCCO	Packages containing Syringes Nos. 1, 2, 3 and 4..........	2.00

Typhoid Vaccine
(Prophylactic)

Indications: *For immunization* against Typhoid Fever.

Dosage: First dose contains 500 Million killed bacteria and should be followed in ten days by the second dose of 1000 Million killed bacteria and this in ten days by the third dose of 1000 Million killed bacteria.

Code Word		Per Package
PIPE	Style A package contains the complete prophylactic treatment in syringe containers, ready for use..............	$1.50
PUNT	Style B package contains the complete prophylactic treatment in vial containers......	.75
POKE	Style C, Hospital package. Complete prophylactic treatment for ten persons. Contains ten 1 c.c. vials each containing 500,000,000 killed B. typhosus and twenty 1 c.c. vials, each containing 1,000,000,000 killed B. typhosus...	3.50

Typhoid Vaccine
(Treatment)

Indications: In the treatment of Typhoid Fever:

Initial Dose: 25 to 250 Million.

BALLOON	No. 1. 100 Million B. typhosus. Per package of two vials	$ .50
BELLAIRE	No. 2. 250 Million B. typhosus. Per package of two vials	.50
BILLOW	No. 3. 500 Million B. typhosus. Per package of two vials	.50
BUILDING	No. 4. 1000 Million B. typhosus. Per package of two vials	.50

Code Word		Per Package
TYPE	No. 5. 2000 Million B. typhosus. Per package of two vials	$ .75
BALL	Single Vial package No. 1	.35
BELL	Single Vial package No. 2	.35
BILL	Single Vial package No. 3	.35
BULL	Single Vial package No. 4	.35
WISE	Packages containing Vials Nos. 1, 2, 3 and 4	1.00
TAPE	One 5 c.c. Vial pkge. No. 1	1.00
TAMPER	One 5 c.c. Vial pkge. No. 2	1.00
TALLY	One 5 c.c. Vial pkge. No. 3	1.00
TARSAL	One 5 c.c. Vial pkge. No. 4	1.00
BAND	One 20 c.c. Vial pkge. No. 1	3.50
BEND	One 20 c.c. Vial pkge. No. 2	3.50
BIND	One 20 c.c. Vial pkge. No. 3	3.50
BOND	One 20 c.c. Vial pkge. No. 4	3.50
BLAME	Single Syringe package No. 1	.50
BLEED	Single Syringe package No 2	.50
BLIND	Single Syringe package No. 3	.50
BRUTE	Single Syringe package No. 4	.50
TYPHOON	Single Syringe package No. 5	.75
BOULDER	Package containing Syringes Nos. 1, 2, 3 and 4	2.00

Typhoid Combined Vaccine
(Prophylactic)

Indications: *For immunization* against Typhoid Fever due to mixed infection with the Typhoid and Paratyphoid Bacilli.

Dosage: First dose, 1000 Million killed bacteria, is followed in ten days by the second dose of 2000

Million killed bacteria and this in ten days by the third dose of 2000 Million killed bacteria.

Code Word		Per Package
PLACE	Style A package contains the complete prophylactic treatment in syringe containers, ready for use..............	$1.50
PLOT	Style B package contains the complete prophylactic treatment in vial containers......	.75
PLANE	Style C, Hospital package. Complete prophylactic treatment for ten persons. Contains ten 1 c.c. vials, each containing 500,000,000 killed B. typhosus, 250,000,000 killed B. paratyphosus "A," and 250,000,000 killed B. paratyphosus "B"; and twenty 1 c.c. vials each containing 1,000,000,000 killed B. typhosus, 500,000,000 killed B. paratyphosus "A" and 500,000,000 killed B. paratyphosus "B"......................	3.50

Vaccine Virus

(For Immunization against Small-Pox)

VICE	Style No. 0. Points with Collapsible Wax Tubes (Ten in package. Individually packed)	$1.50

Code Word		Per Package
VALE	Style No. 1. Points with Collapsible Wax Tubes (Ten in package)	$1.50
VENT	Style No. 3. One Glass Capillary Tube	.20
VINE	Style No. 5. Glass Capillary Tubes (Ten in package)....	1.50

Culture Products

Loeffler's Blood-Serum Culture Medium

Used for general bacteriologic examination of pathologic material, particularly in examining cultures from nose and throat of persons suspected of having diphtheria.

CULT	In packages of 12 tubes, with sterile swabs...............	$ .60

NOTE: This price is not subject to discount.

Massolin

(Culture of the Bacillus Bulgaricus)

A pure culture of the Bacillus Bulgaricus (a lactic acid-producing bacterium isolated in Massol's laboratory), in a medium adapted for introduction into body cavities.

POLE	6 Vial package..............	$ .50
MITE	20 Vial package..............	1.25

Germicide

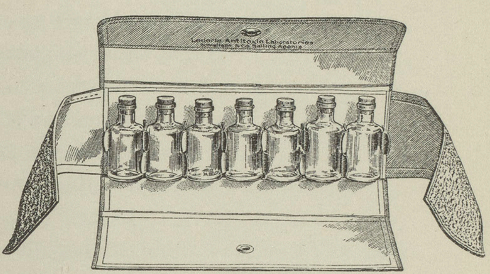
Silver Nitrate Solution

(For the Care of the Eyes of New-Born Babies)

SAFE 1% solution in Lederle Ampule Applicators. Packages containing 12 boxes of 2 ampules each $1.20

Bacterial Vaccine Case

Grained Leather Pocket Case with Metal Clips. Holds seven 5 c.c. vials of Lederle Bacterial Vaccines.



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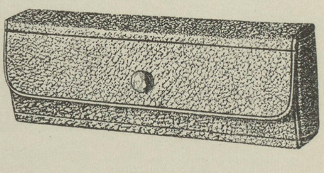

CLOSED

Price of case unfilled	$1.50
Price of case with seven 5 c.c. vials.	7.00

(Assortment as selected)

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